



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/812,442

03/30/2004

Lawrence J. Feroli

EMC04-03

3381

47653

7590

02/21/2008

BAINWOOD HUANG AND ASSOCIATES LLC  
2 CONNECTOR ROAD  
WESTBOROUGH, MA 01581

EXAMINER

WRIGHT, INGRID D

ART UNIT

PAPER NUMBER

2835

MAIL DATE

DELIVERY MODE

02/21/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Supplemental  
Notice of Allowability**

Application No.

10/812,442

Examiner

INGRID WRIGHT

Applicant(s)

FEROLI ET AL.

Art Unit

2835

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/13/07.
2. ☒ The allowed claim(s) is/are 1,2,5-8,10,13-16,18,19,26 & 29-41.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date ____     | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other ____.   |

**DETAILED ACTION**

*Allowable Subject Matter*

1. **Claims 1,2,5-8,10,13-16,18,19,26 & 29-41 are allowed.**
2. The following is an examiner's statement of reasons for allowance: the allowability resides in the overall structure of the device as recited by independent claim 1,2,10 and 18, and at least in part, because claims 1 & 2 recites: "a device including a body configured to attach to an installation location of the frame when the power supply connects and disconnects from the plug, the body including a first end wall, a second end wall, and lateral walls which connect the first end wall and the second end wall together; wherein, when the body substantially holds the first plug at the installation location of the frame and substantially hold the first plug at the installation of the frame when the power supply connects and disconnects from the plug, and when the body is attached to the installation location of the frame, the first end wall is configured to restrain the plug in a positive z-direction relative to the frame, the second end wall is configured to restrain the first plug in a negative z-direction relative to the frame, the negative z-direction being opposite the positive z-direction along a z-axis, and the lateral walls are configured to register the first plug relative to the frame in an x-y plane which is perpendicular to the z-axis, wherein the first plug of the power cord and the body of the device are separate components, the body of the device being configured to capture the first plug in an interference fit manner and present a physical connection interface of the first plug to the power supply for direct physical mating between the physical connection interface of the first plug and the power supply when the device fastens to first plug to the frame," claim 10 & 18 recites: "wherein the plug of the power cord and the body of the device are separate components, the body of the device being configured to capture the plug in an interference fit manner and present a physical connection interface of the plug to the power supply for direct physical mating between the physical connection interface of the plug and the power supply when the device fastens the plug to the frame." The aforementioned limitations in combination with all remaining

limitations of claims 1,2,10 & 18 are believed to render the claims 1,2,10 & 18, and all claims dependent thereupon, patentable over the art of record.

**US 6737582 B2 to Van Lieu et al.** is considered a close reference to the instant application. Van Lieu et al. disclosed a first plug (30) & power cord (32), a device (10), and a power supply (18), but is silent as to the body of the device being configured to capture the first plug in an interference fit manner and present a physical connection interference of the first plug to the power supply.

**US 6913473 B2 to Schmid et al.** is considered a close reference to the instant application. Schmid et al. disclosed a power supply (1), a first plug (3) & power cord, and a frame (6), but is silent as a device configured to fasten the first plug to the frame.

**US 5525074 to Tsuji et al.** is considered a close reference to the instant application. Tsuji disclosed a plug (41) & a power cord, a frame (P) and a device (45), but is silent as to the body of the device being configured to capture the first plug in an interference fit manner and present a physical connection interference of the first plug to a power supply.

The above references, either alone or in-combination, are not believed to render the present invention, unpatentable as claimed. Thus, **claims 1,2,5-8,10,13-16,18,19,26 & 29-41** are allowed.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to INGRID WRIGHT whose telephone number is (571)272-8392. The examiner can normally be reached on M-F. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jayprakash Gandhi can be reached on (571)272-2800, ext 35. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR)

Application/Control Number:  
10/812,442  
Art Unit: 2835

Page 4

system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

IDW

/Jayprakash N Gandhi/  
Supervisory Patent Examiner, Art Unit 2835